

## **ABSTRACT**

### **AUDIO AND VIDEO DATA PROCESSING DEVICE FOR MULTIMEDIA COMMUNICATION VIA A LOCAL NETWORK SET UP WITHIN AN ASYNCHRONOUS NETWORK**

A device (D1) is dedicated to the processing of audio and video data for multimedia communication, via an asynchronous network, between first LAN audio (TM1) and video (PC1) terminals and second LAN audio (TM2) and video (PC2) terminals. This device includes i) connection means (ML1) to establish communications with the first LAN audio and video terminals and with other connection means (ML2) installed in another device (D2), ii) first dating means (MD1) to attach a transmit time mark and an identifier to the audio and video data emitted by the first LAN audio (TM1) and video (PC1) terminals, before their transmission to the other connection means (ML2), and to attach a receive time mark to audio and video data emitted by the other connection means (ML2) and containing an identifier and a transmit time mark, and iii) processing means (MT1) to determine a time difference representing the transmission time difference between the received audio and video data and presenting the same identifier, from their transmit and receive time marks, and to delay, by a value representing this time difference, the transmission of the received audio data to the first LAN audio terminal (TM1) in relation to that of the received video data to the first LAN video terminal (PC1).

(Figure 1)